

In the Claims

1 -49 (canceled)

50. (currently amended) A flashlight capable of including both an incandescent light source and a solid state light source, said flashlight device for illuminating an object by directing a beam of light from the device onto the object, comprising:

(a) a housing having a light reflector arrangement supported therewith, said light reflector arrangement including light reflecting surface segments which circumscribe a given area and which define a forwardly extending central axis of illumination; and

(b) an illumination assembly including (i) a printed circuit board having a front surface and a back surface and a side edge extending between said front and back surfaces, (ii) at least one solid state light source having an underside base and mounted onto the front surface of said printed circuit board such that its underside base is adjacent to and confronting said front surface, and (iii) control circuitry connected with said solid state light source and printed on at least one of the surfaces of said printed circuit board for connecting the solid state light source to a source of power in order to control the illumination of said solid state light source, said illumination assembly being connected with said housing such that the solid state light source is disposed within said given area in a way which causes light from said solid state light source to emanate out of said given area at least indirectly by means of reflection so as to project said beam of light in the general direction of said forwardly extending central axis of illumination;

(c) wherein the front surface of said printed circuit board is a planar surface oriented perpendicular to and facing in the same direction as said forwardly extending central axis of illumination and wherein said light source is an LED having an underside base mounted to said front planar surface and an opposite free end facing forward such that said underside base and said free end define an axis perpendicular to the planar front surface and parallel with said central axis; and

(d) wherein said housing is capable of receiving both said illumination assembly and an illumination assembly that includes an incandescent light source rather than a solid state light source, the latter assembly having been replaced by said former assembly.

51. (canceled)

52. (previously presented) An illumination device according to Claim 50 wherein said control circuitry is at least printed on the back surface of said printed circuit board.

53. (previously presented) An illumination device according to Claim 50 wherein said solid state light source is an LED.

54 - 59. (canceled)

60. (currently amended) An illumination assembly for use as part of a device for illuminating an object by directing a beam of light from the device onto the object, said device including a housing defining a given area for directing said beam of light outward from the housing, said illumination assembly comprising:

(a) a printed circuit board having a planar front surface and a planar back surface and a side edge extending between said front and back surfaces;

(b) at least one solid state light source having an underside base mounted onto the front surface of said printed circuit board such that its underside base is adjacent to and confronting said front surface, and

(c) control circuitry connected with said solid state light source and printed on at least one of the surfaces of said printed circuit board for connecting the solid state light source to a source of power in order to control the illumination of said solid state light source;

(d) said illumination assembly being adapted for connection with said housing such that the solid state light source is disposed within said given area in a way which causes said beam of light from said solid state light source to emanate out of said given area; and (i) wherein said printed circuit board is longer than it is wide and the planar front and back surfaces of the printed circuit board extends from one lengthwise end of the latter to an opposite lengthwise end thereof, said printed circuit board further including first and second electrically conductive bumps on said lengthwise ends and serving as an electrical input and output, respectively; (ii) wherein the device includes a plurality of solid state light sources mounted on the front surface of said printed circuit board in spaced apart relationship to one another along the elongated length of the circuit board; and (iii) said control circuitry is connected with said solid state light sources and said bumps and printed on at least one of the surfaces of said printed circuit board for connecting the solid state light sources to said bumps in order to control the illumination of said solid state light source when said bumps are connected to a source of power.

61. (previously presented) An illumination assembly according to Claim 60 wherein said solid state light source is an LED.

62 – 67 (canceled)

68. (new) A device according to Claim 50 wherein said solid state light source is mounted into direct engagement with the front surface of said PCB.